

APPLICANT(S): GLUKHOVSKY, Arkady et al.  
SERIAL NO.: Not yet assigned  
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#### **AMENDMENTS TO THE CLAIMS**

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims 1-40 indicated as cancelled:

##### **Claims 1-40 (Cancelled)**

41. (New) A system for receiving in vivo signals, the system comprising:
  - a receiver;
  - a plurality of antennas connected to the receiver, wherein the plurality of antennas are to receive an in vivo signal; and
  - a recorder, wherein the recorder is separated from the receiver and connected to the receiver by at least one cable.
42. (New) The system according to claim 41, wherein the receiver comprises a selection unit and an amplifier.
43. (New) The system according to claim 42, wherein the selection unit is to select a signal received by one of the plurality of antennas.
44. (New) The system according to claim 43, wherein the signal is the strongest signal received by the plurality of antennas.
45. (New) The system according to claim 42, wherein the selection unit comprises a processor.
46. (New) The system according to claim 42, wherein the amplifier comprises a pre-amplifier.

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47. (New) The system according to claim 41, wherein the receiver comprises a switching unit.
48. (New) The system according to claim 47, wherein the switching unit is to transfer to the recorder at least one signal received from at least one antenna out of the plurality of antennas.
49. (New) The system according to claim 41, wherein the plurality of antennas comprises a radio frequency antenna.
50. (New) The system according to claim 41, wherein the cable is to transfer a signal selected from a group consisting of: radio frequency signals, control data, and energy.
51. (New) The system according to claim 41, comprising a cable connected to the receiver and the recorder, wherein the cable is to transfer energy to the receiver, radio frequency signals to the recorder, and control signals.
52. (New) The system according to claim 41, wherein the receiver is able to adjust its operation according to the number of antennas of the plurality of antennas used.
53. (New) A method for receiving in vivo signals, the method comprising:
  - receiving signals by a plurality of antennas;
  - selecting a signal from the plurality of antennas;
  - amplifying the signal; and
  - routing the selected signal to a recorder.
54. (New) The method according to claim 53, comprising recording the signal.
55. (New) The method according to claim 53, wherein the signals are pre-amplified prior to said routing.

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56. (New) The method according to claim 53, wherein the selecting and the amplifying is performed in a unit separate from a recorder.
57. (New) The method according to claim 53, wherein the signals comprise radio frequency signals.
58. (New) The method according to claim 53, wherein selecting a signal comprises selecting the strongest signal from the plurality of antennas.